FIG.1

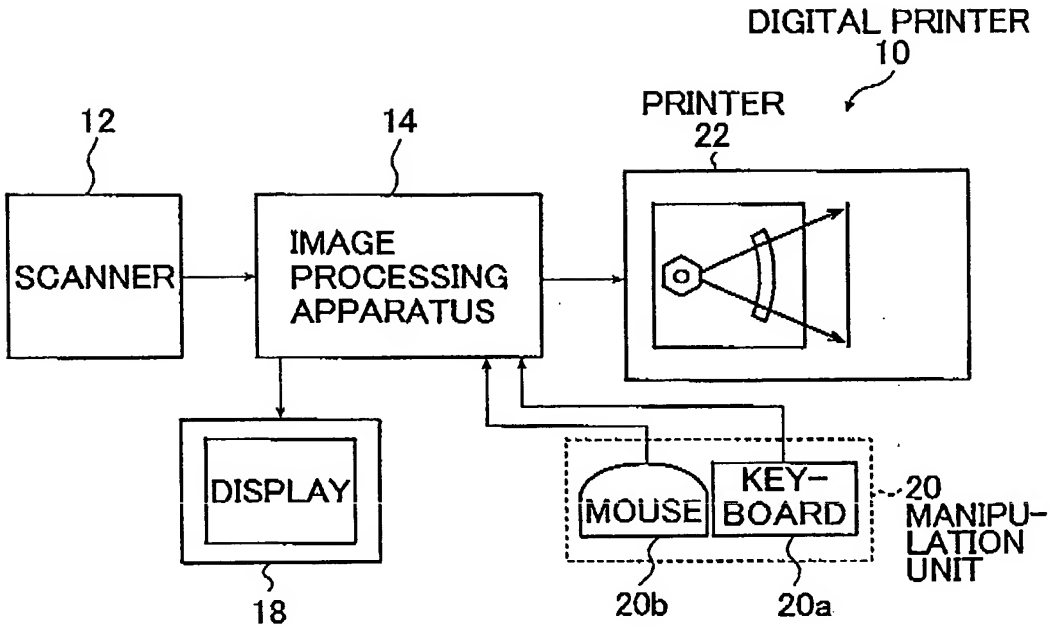

DIGITAL PRINTER
10
PRINTER
22
12
14
SCANNER
IMAGE PROCESSING APPARATUS
DISPLAY
18
MOUSE
KEY-BOARD
20
MANIPU-LATION UNIT
20b
20a

FIG.2

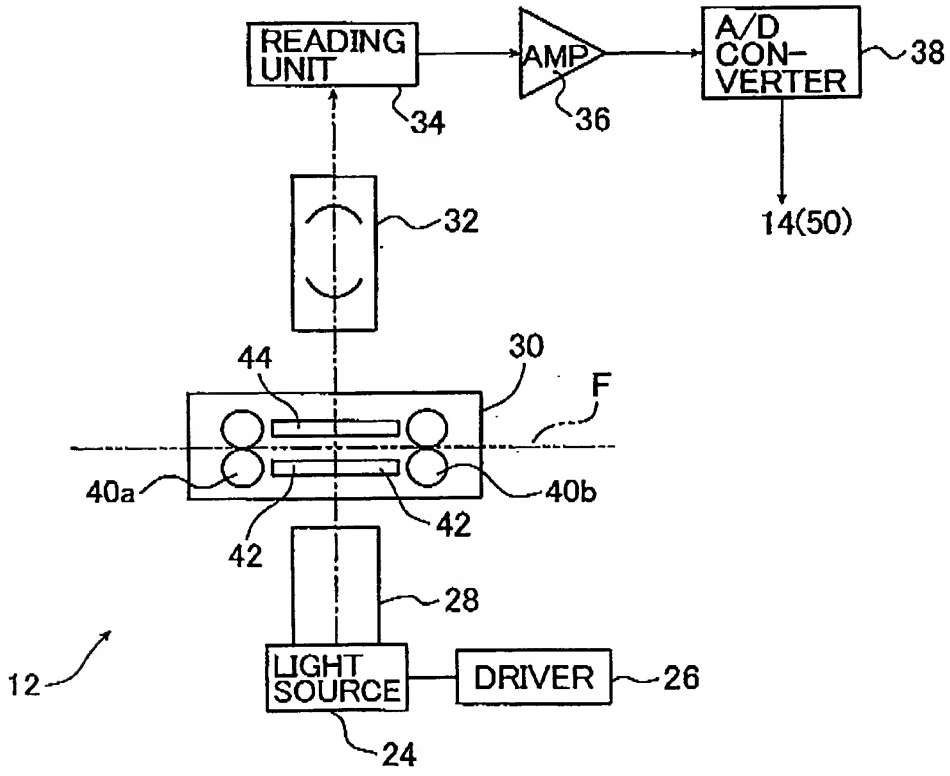

READING UNIT
34
AMP
36
A/D CON-VERTER
38
14(50)
32
44
30
F
40a
40b
42
42
28
12
LIGHT SOURCE
DRIVER
26
24

FIG. 3

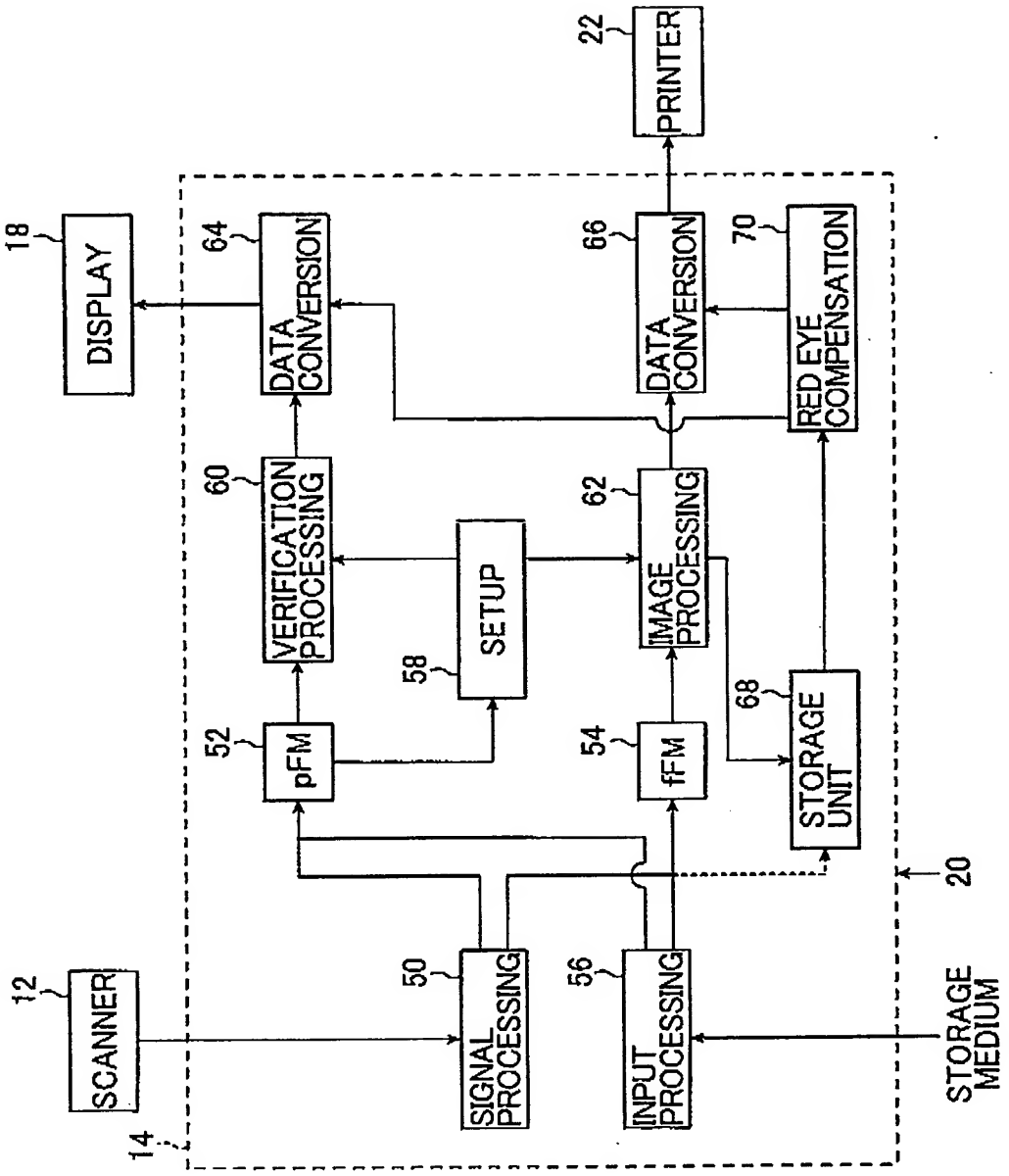

22
PRINTER
18
DISPLAY
64
DATA CONVERSION
66
DATA CONVERSION
70
RED EYE COMPENSATION
60
VERIFICATION PROCESSING
62
IMAGE PROCESSING
58
SETUP
52
pFM
54
fFM
68
STORAGE UNIT
20
12
SCANNER
50
SIGNAL PROCESSING
56
INPUT PROCESSING
STORAGE MEDIUM
14

FIG. 4

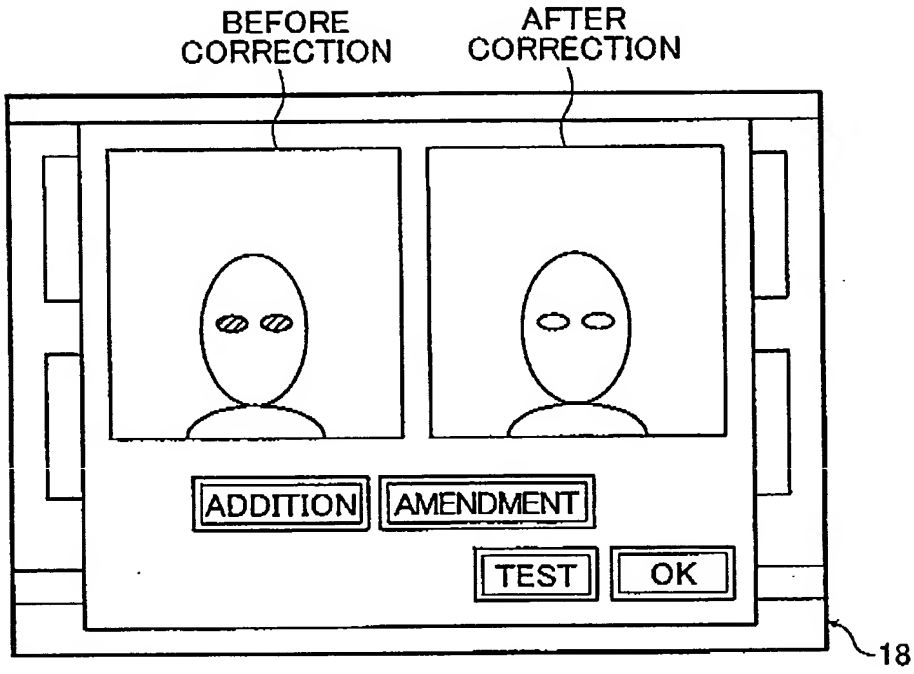

BEFORE CORRECTION
AFTER CORRECTION
ADDITION
AMENDMENT
TEST
OK
18

FIG.5

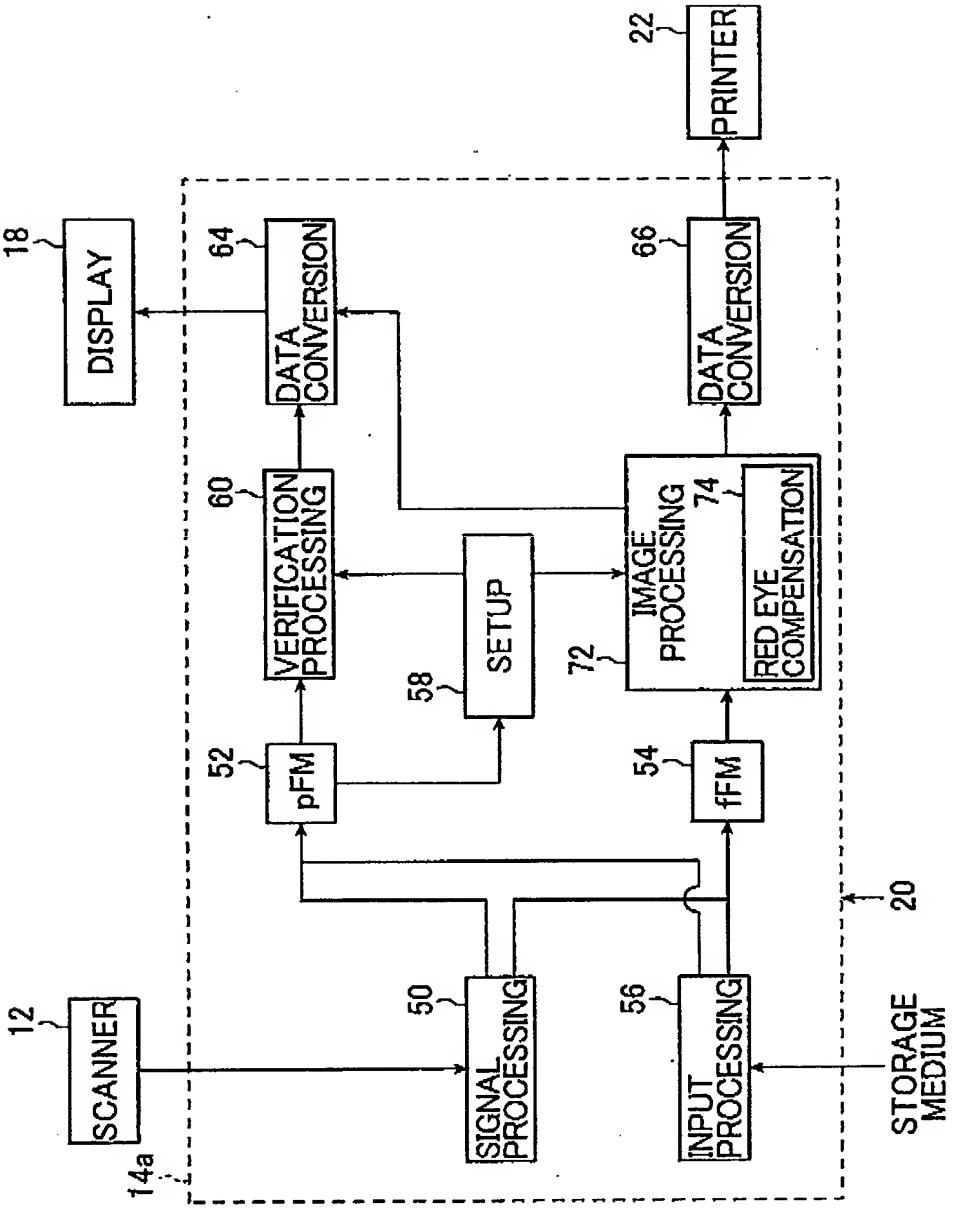

22
PRINTER
18
DISPLAY
64
DATA CONVERSION
66
DATA CONVERSION
60
VERIFICATION PROCESSING
74
RED EYE COMPENSATION
IMAGE PROCESSING
72
58
SETUP
52
pFM
54
fFM
12
SCANNER
50
SIGNAL PROCESSING
56
INPUT PROCESSING
STORAGE MEDIUM
20
14a

FIG. 6A

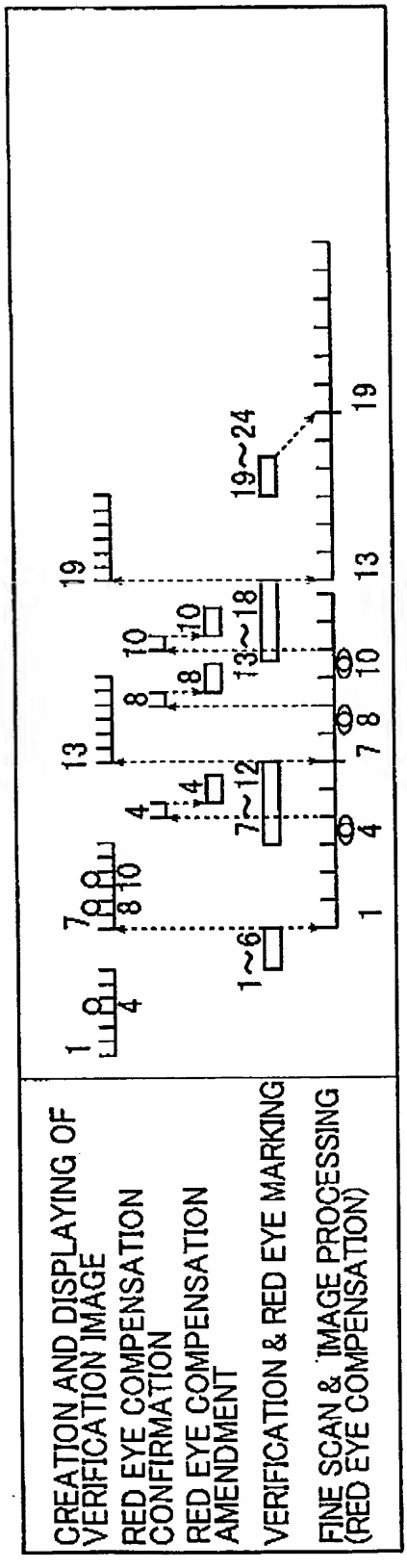

CREATION AND DISPLAYING OF VERIFICATION IMAGE
RED EYE COMPENSATION CONFIRMATION
RED EYE COMPENSATION AMENDMENT
VERIFICATION & RED EYE MARKING
FINE SCAN & IMAGE PROCESSING (RED EYE COMPENSATION)

FIG. 6B

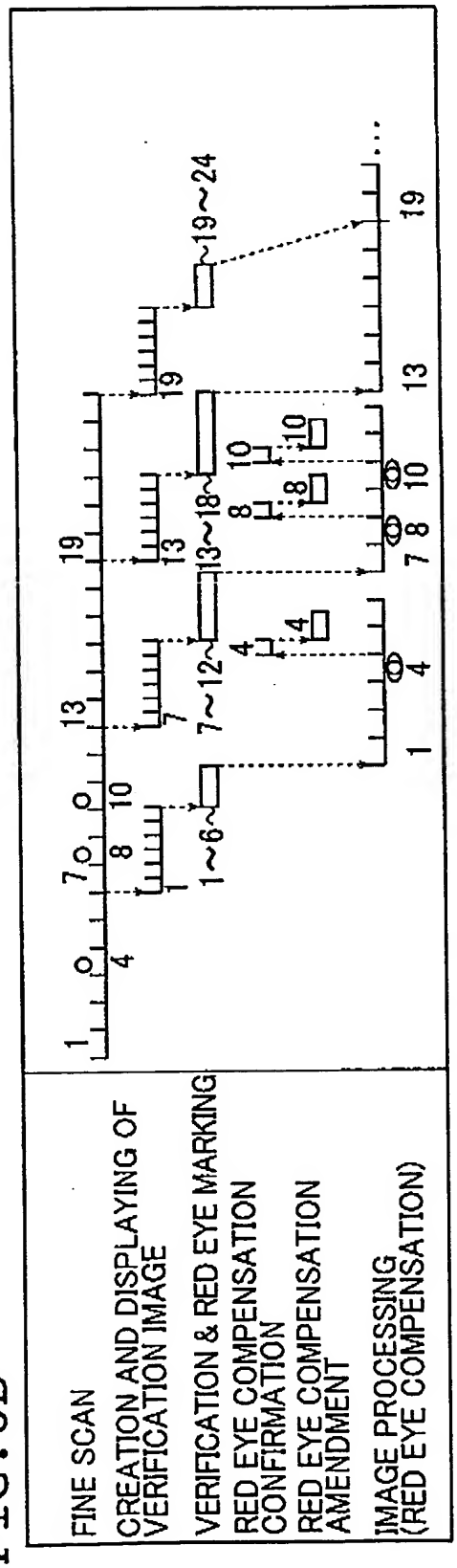

FINE SCAN
CREATION AND DISPLAYING OF VERIFICATION IMAGE
VERIFICATION & RED EYE MARKING
RED EYE COMPENSATION CONFIRMATION
RED EYE COMPENSATION AMENDMENT
IMAGE PROCESSING (RED EYE COMPENSATION)

FIG. 7A

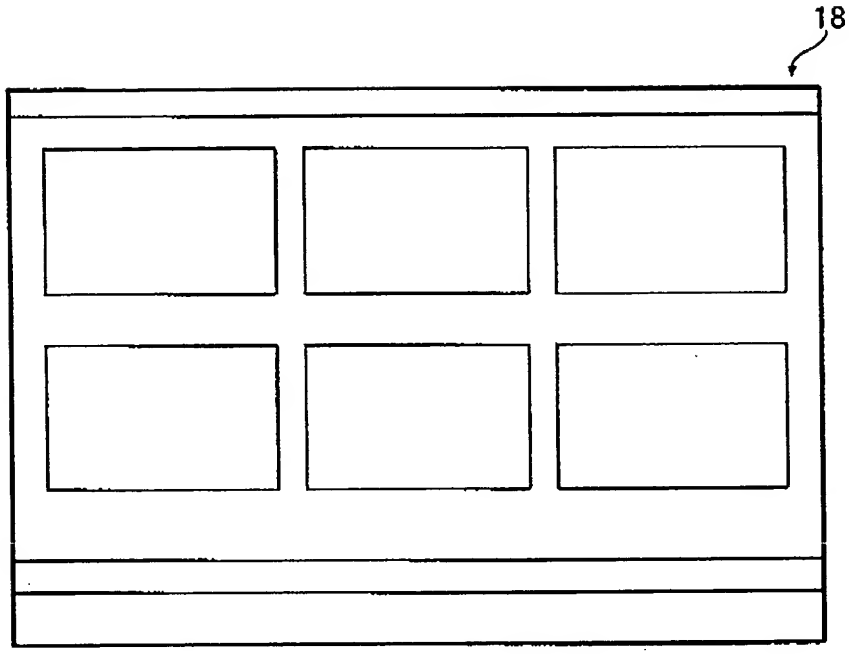

18

FIG. 7B

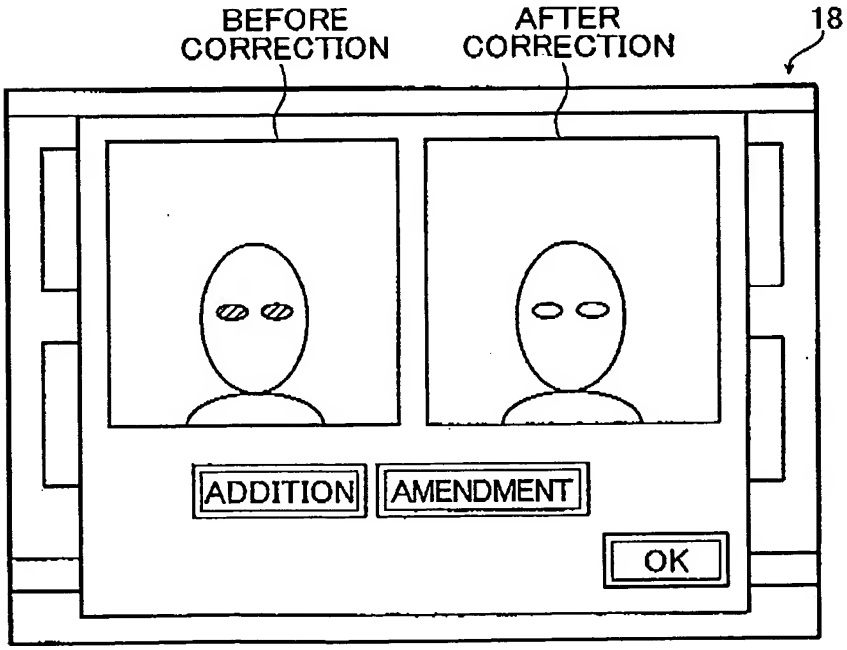

BEFORE CORRECTION
AFTER CORRECTION
18
ADDITION
AMENDMENT
OK

FIG. 8A

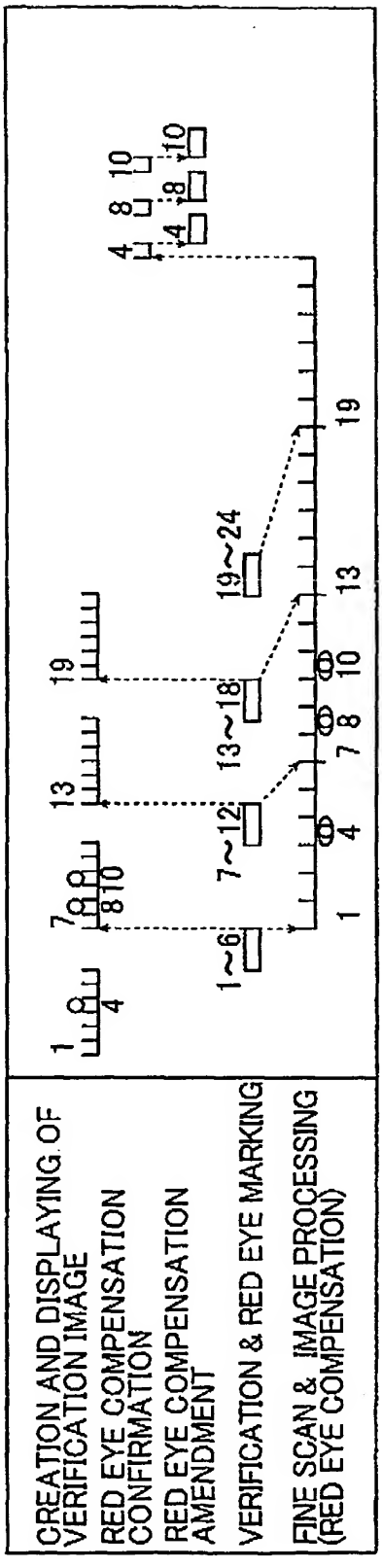

CREATION AND DISPLAYING OF VERIFICATION IMAGE
RED EYE COMPENSATION CONFIRMATION
RED EYE COMPENSATION AMENDMENT
VERIFICATION & RED EYE MARKING
FINE SCAN & IMAGE PROCESSING (RED EYE COMPENSATION)
1~6
7~12
13~18
19~24

FIG. 8B

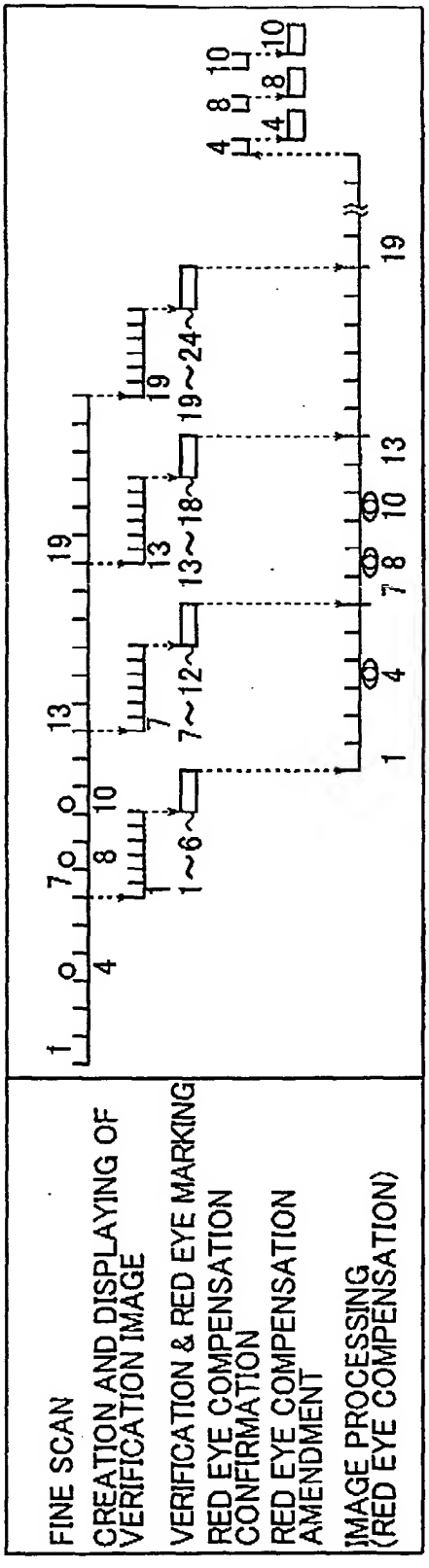

FINE SCAN
CREATION AND DISPLAYING OF VERIFICATION IMAGE
VERIFICATION & RED EYE MARKING
RED EYE COMPENSATION CONFIRMATION
RED EYE COMPENSATION AMENDMENT
IMAGE PROCESSING (RED EYE COMPENSATION)
1~6
7~12
13~18
19~24

FIG. 9

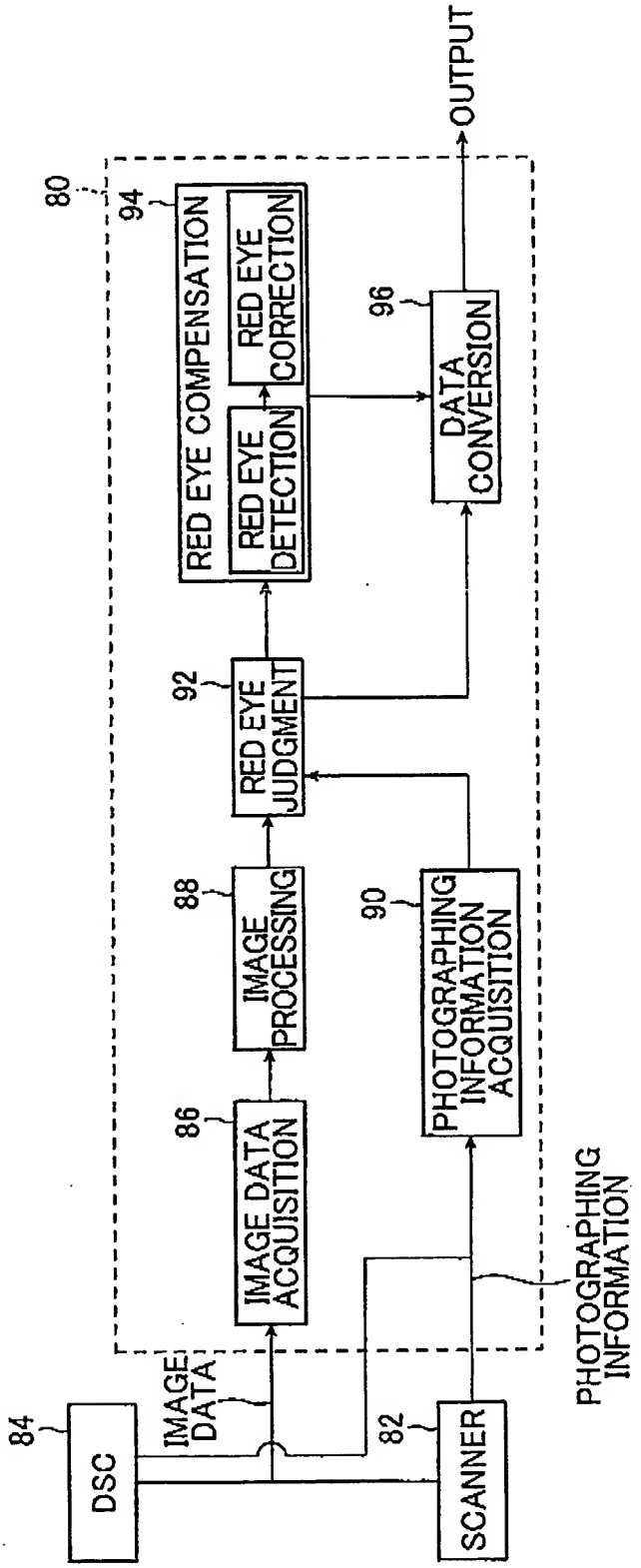

80
84
DSC
IMAGE DATA
82
SCANNER
PHOTOGRAPHING INFORMATION
86
IMAGE DATA ACQUISITION
88
IMAGE PROCESSING
90
PHOTOGRAPHING INFORMATION ACQUISITION
92
RED EYE JUDGMENT
94
RED EYE COMPENSATION
RED EYE DETECTION
RED EYE CORRECTION
96
DATA CONVERSION
OUTPUT

FIG.10

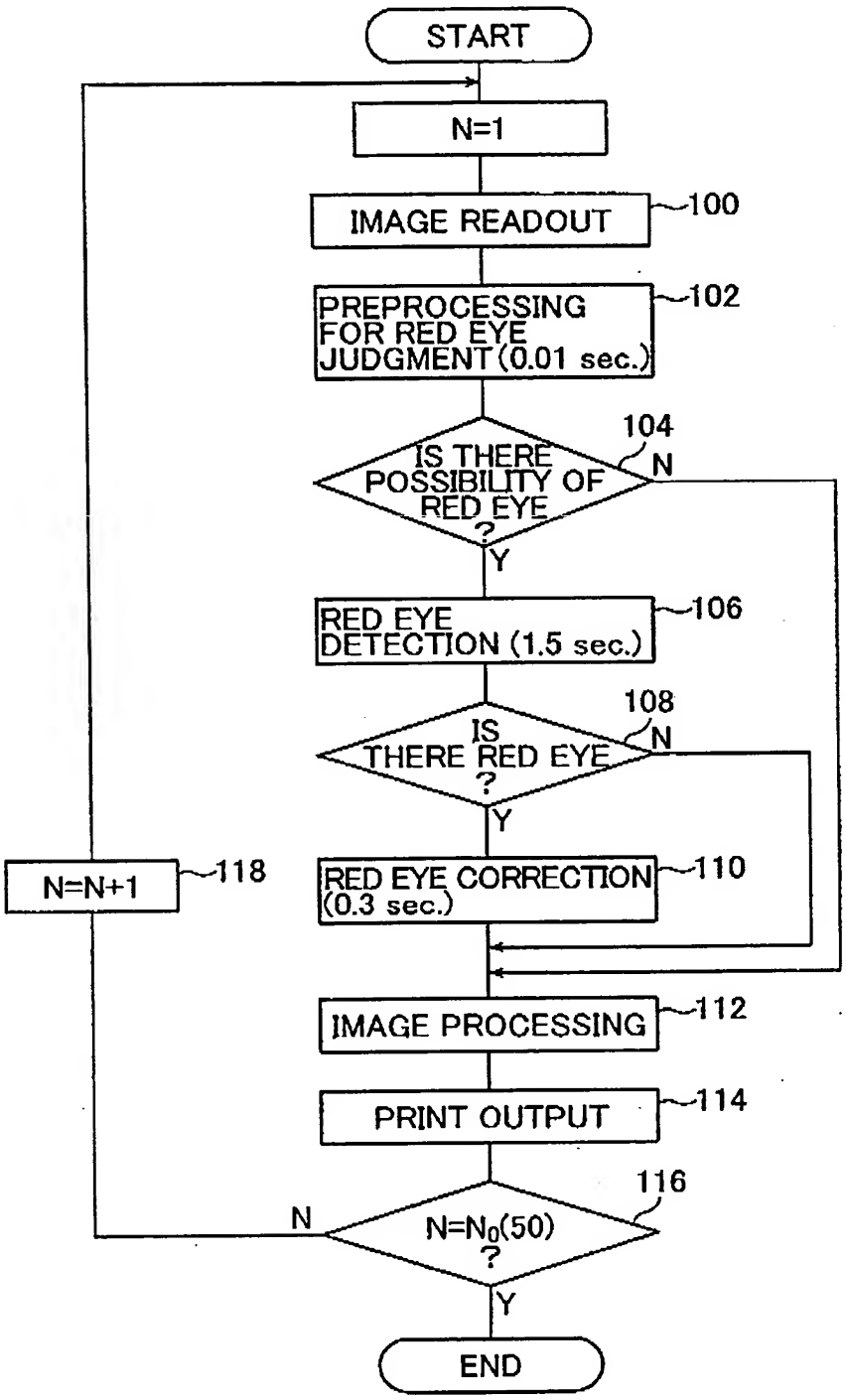
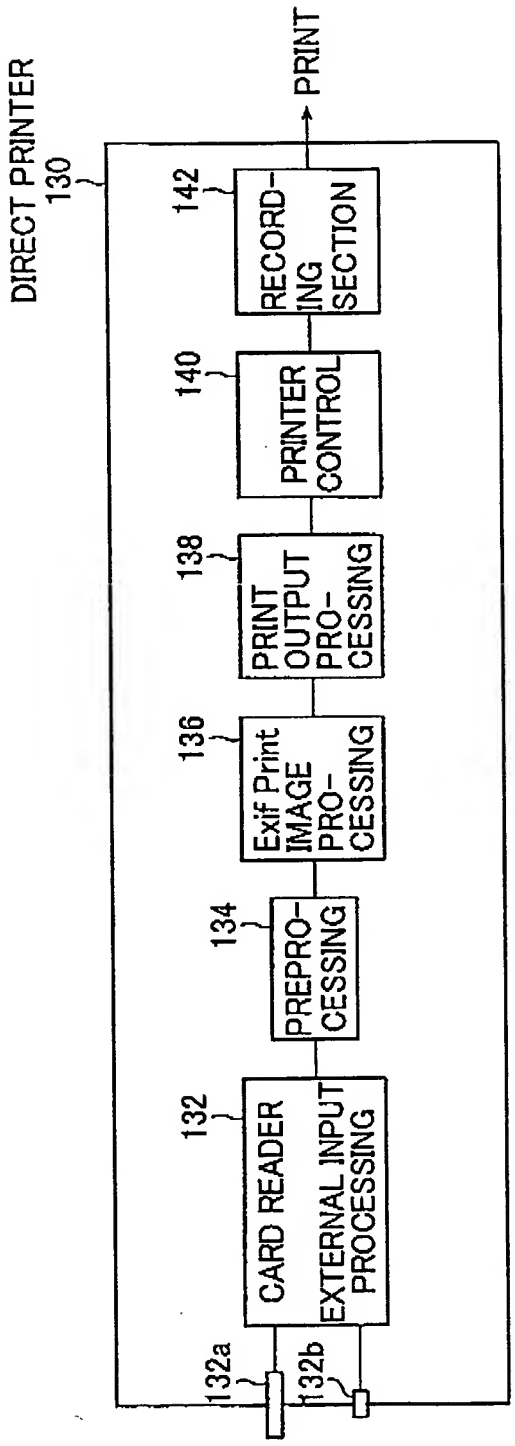

START
N=1
IMAGE READOUT
100
PREPROCESSING FOR RED EYE JUDGMENT (0.01 sec.)
102
IS THERE POSSIBILITY OF RED EYE ?
104
N
Y
RED EYE DETECTION (1.5 sec.)
106
IS THERE RED EYE ?
108
N
Y
N=N+1
118
RED EYE CORRECTION (0.3 sec.)
110
IMAGE PROCESSING
112
PRINT OUTPUT
114
N=N0(50) ?
116
N
Y
END

FIG. 11


DIRECT PRINTER
130
PRINT
142
RECORD-ING SECTION
140
PRINTER CONTROL
138
PRINT OUTPUT PRO-CESSING
136
Exif Print IMAGE PRO-CESSING
134
PREPRO-CESSING
132
CARD READER
EXTERNAL INPUT PROCESSING
132a
132b

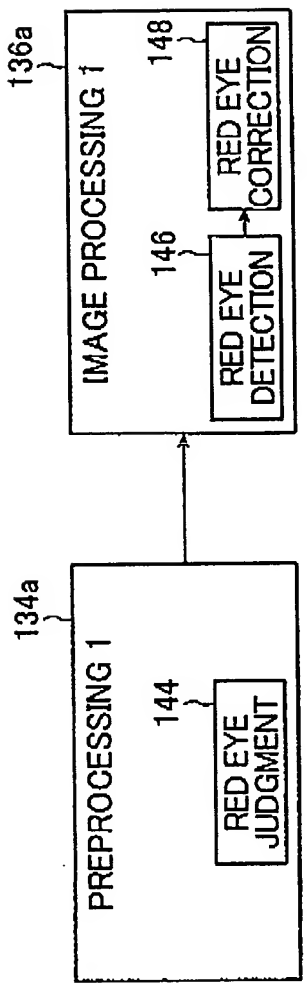


FIG.12A

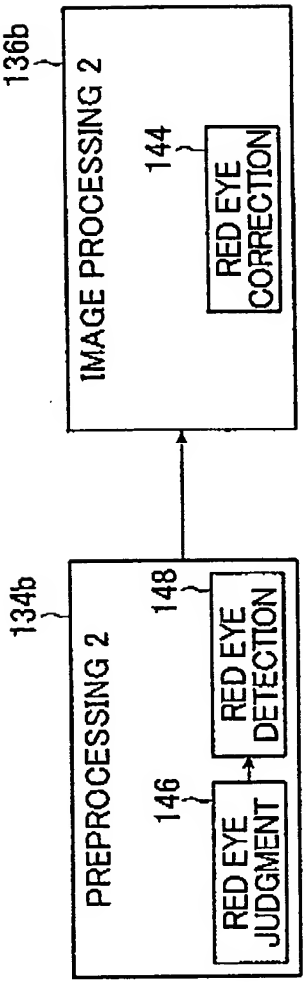


FIG.12B

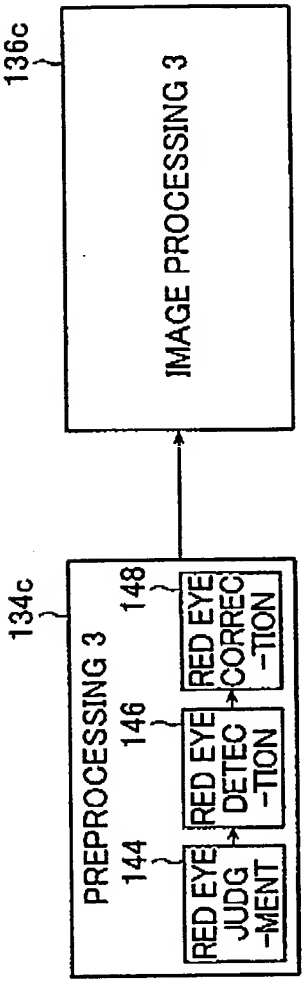


FIG.12C

FIG. 13
PRIOR ART

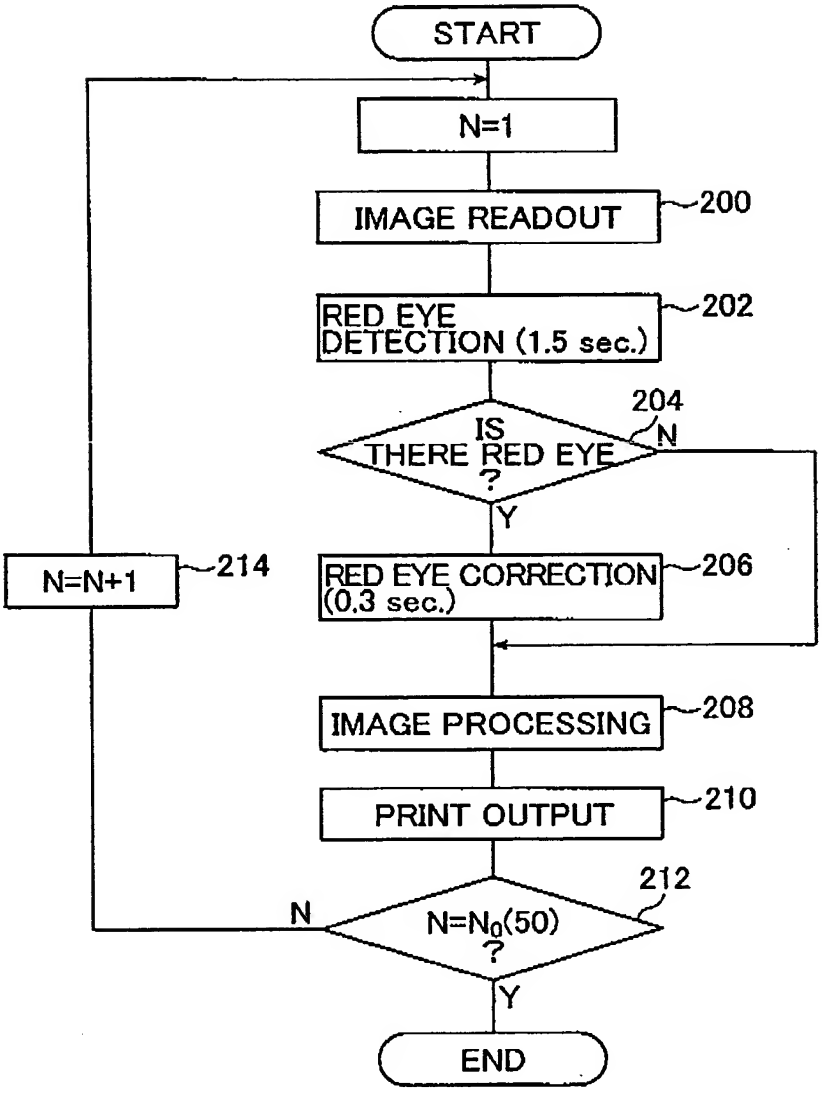
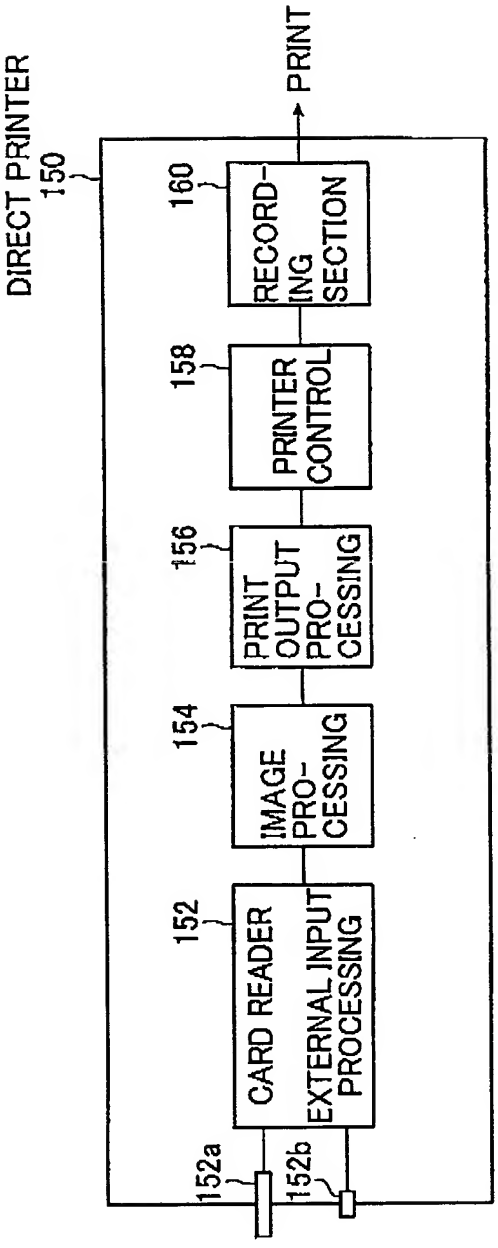



FIG. 14
PRIOR ART